

WHAT IS CLAIMED IS:

- 5 Sub B1
1. An information recording and reproducing apparatus, comprising:
 - a recording mode selecting device that includes a recording position designating portion for designating a certain position in an input area; and
 - a recording switch that outputs a recording start signal and a recording end signal of sound data in response to a switching of the switch;
 - a coordinate on data detecting device that detects coordinate data of a position in the input area designated by the position designating portion;
 - a designated coordinate data storing device that stores the coordinate data detected by the coordinate data detecting device as designated coordinate data; and
 - a sound data storing device that starts recording the sound data in association with the designated coordinate data in response to an output of the recording start signal and that ends recording in response to an output of the recording end signal.
 2. The information recording and reproducing apparatus according to claim 1, further comprising:
 - a written information inputting device that includes a input position designating portion for inputting written information by designating a certain position in the input area, wherein the coordinate data detecting device detects coordinate data of a position designated by the position designating portion of the written information inputting device; and
 - a written information storing device that stores the coordinate data of the written information inputting device as stroke data in association with the sound data by the designated coordinate data.
 3. The information recording and reproducing apparatus according to claim 2, wherein the written information storing device stores a plurality of sets of the stroke data in association with the sound data via the designated coordinate data, the apparatus further comprises:
 - a playback mode selecting device that includes a playback position designating portion for designating a playback position in the input area and that outputs a playback start signal; and

a sound data playback device that starts a playback of the sound data stored in the sound data storing device in association with one of the plurality of sets of stroke data via the designated coordinate data for a position designated by the playback position designating portion in response to an output of the playback start signal when the designated coordinate data is determined to be included in a range of the input area where the one of the plurality of sets of stroke data belongs.

4. The information recording and reproducing apparatus according to claim 3, wherein the written information inputting device uses one end of a pen-type member as the input position designating portion, and the recording mode selecting device uses another end of the pen-type member as the recording position designating portion.

5. The information recording and reproducing apparatus according to claim 3, wherein the written information inputting device and the recording mode selecting device share one end of a pen-type member as a common position designating portion and the pen-type member is provided with a switching device that selects a function of the pen-type member between the written information inputting device and the recording mode selecting device.

6. The information recording and reproducing apparatus according to claim 3, wherein the written information inputting device and the recording mode selecting device individually use one end of respective pen-type members as the input position designating portion and the recording position designating portion, respectively.

7. The information recording and reproducing apparatus according to claim 3, wherein the recording switch is an on-off switch that is activated by the recording position designating portion making contact with the input area.

8. A storage medium storing an information recording and reproducing program that can be read by a computer, the program comprising:

a coordinate data detecting routine detecting coordinate data of a designated position on an input area designated by a recording position designating portion of a recording mode selecting device that outputs at least one of a recording start signal and a recording end signal of sound data by switching of a switch;

a designated coordinate data storing routine storing the coordinate data detected

by the coordinate data detecting routine as designated coordinate data; and

a sound data storing routine starting recording of the sound data in association with the designated coordinate data in response to an output of the recording start signal, and ending recording in response to an output of the recording end signal.

5 9. The storage medium according to claim 8, wherein the coordinate data detecting routine that further detects coordinate data of a position designated by an input position designating portion of a written information inputting device; the program further comprises a written information storing routine that stores the coordinate data of the position designated by the written information inputting device as stroke data in
10 association with the sound data using the designated coordinate data.

10. The storage medium according to claim 9, wherein the written information storing routine stores a plurality of sets of the stroke data in association with the sound data using the designated coordinate data; and the program further comprises a sound data playback routine that starts a playback of the sound data stored in association with
15 one of the plurality of sets of the stroke data by the designated coordinate data for a position designated by a playback position designating portion of the recording mode selecting device in response to an output of a playback start signal when the designated coordinate data is determined to be included in a range of the input area where the one of the plurality of sets of the stroke data belongs.

20 11. The information recording and reproducing apparatus according to claim 2, wherein the written information inputting device further includes an erase designating portion for erasing the written information by designating the certain position in the input area.

12. The information recording and reproducing apparatus according to claim
25 11, further comprising a sound data erasing device that erases the sound data if all of the written information is erased.

13. The information recording and reproducing apparatus according to claim 1, wherein the recording switch is disposed on the recording mode selecting device.

14. The information recording and reproducing apparatus according to claim
30 1, wherein the recording switch is disposed on the input area.